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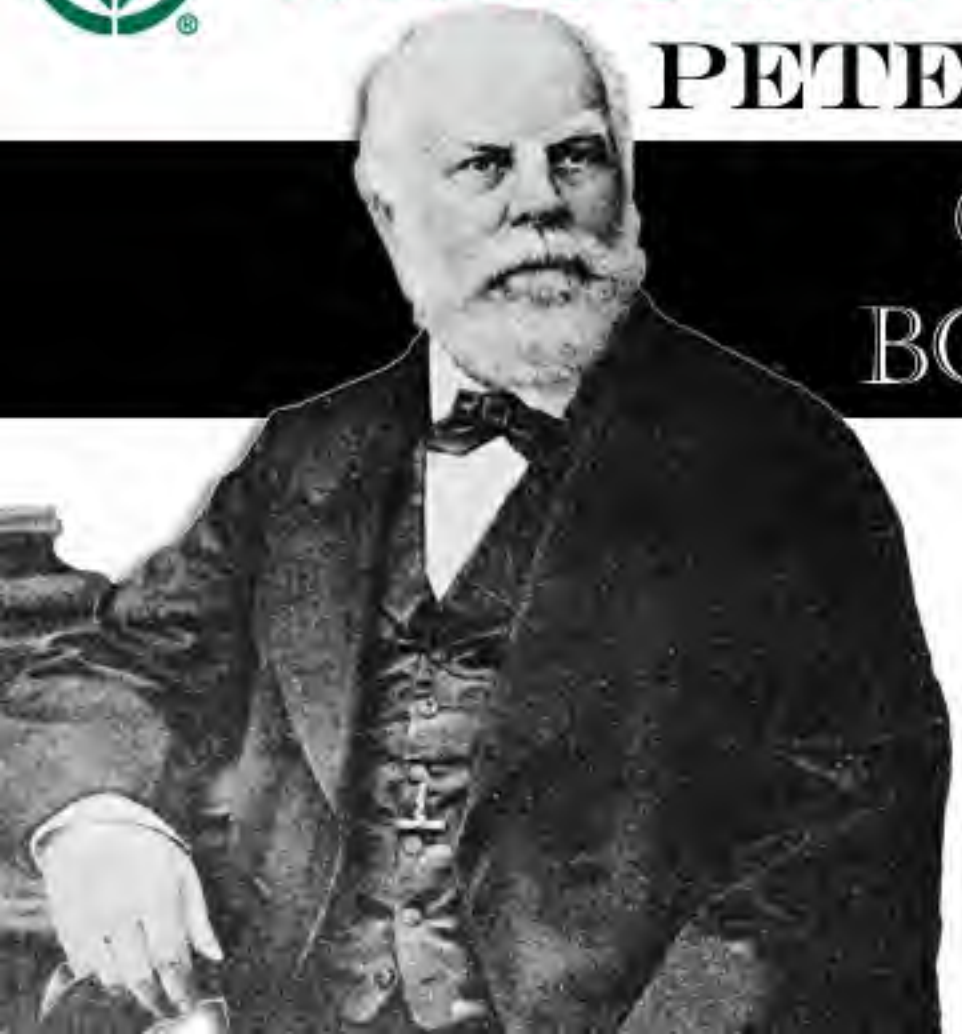

Pagination Note:
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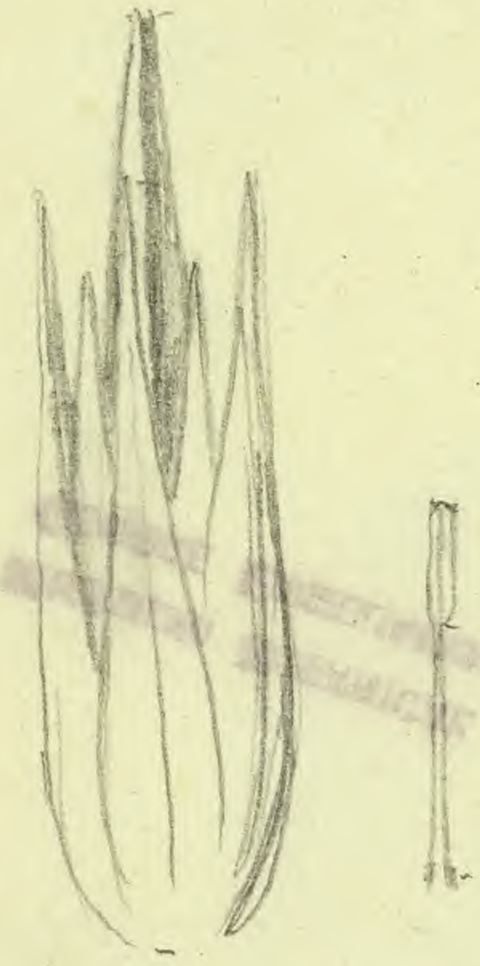
Junon

Aug 11 1865

Hewett May 1862 Shady woods

X. 10

×60



inner sepals narrow short
and quite membranous

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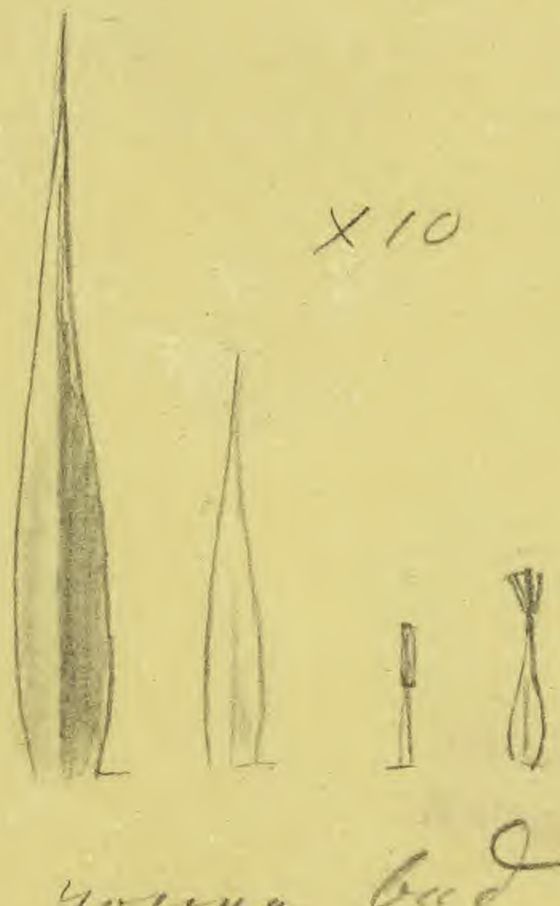
173 Seminoles

Fort Gibson

Aug 12 1865



×10

young bud

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Leitch & Corlies

WHOLESALE DRUGGISTS

South West Corner Fifth and Market Streets.

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Sisyrinchium

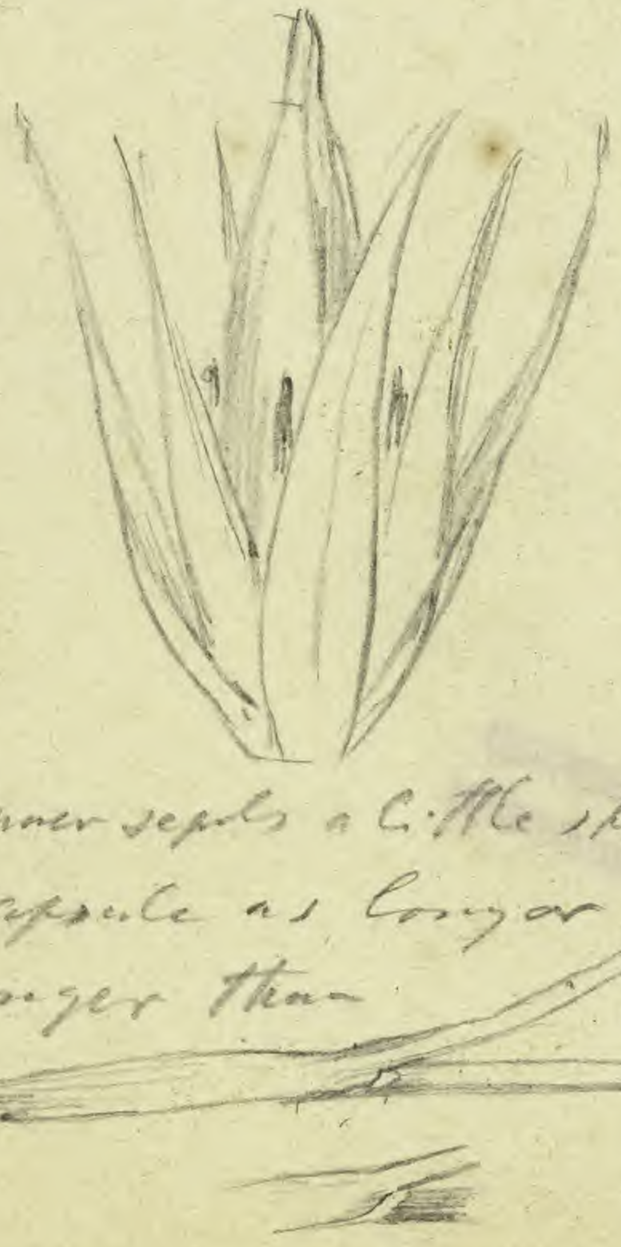
Sept 29 1865

California Dr Coulter 809 = 46 Gray

sepals & stam = May sometimes yellowish spec

seed smaller

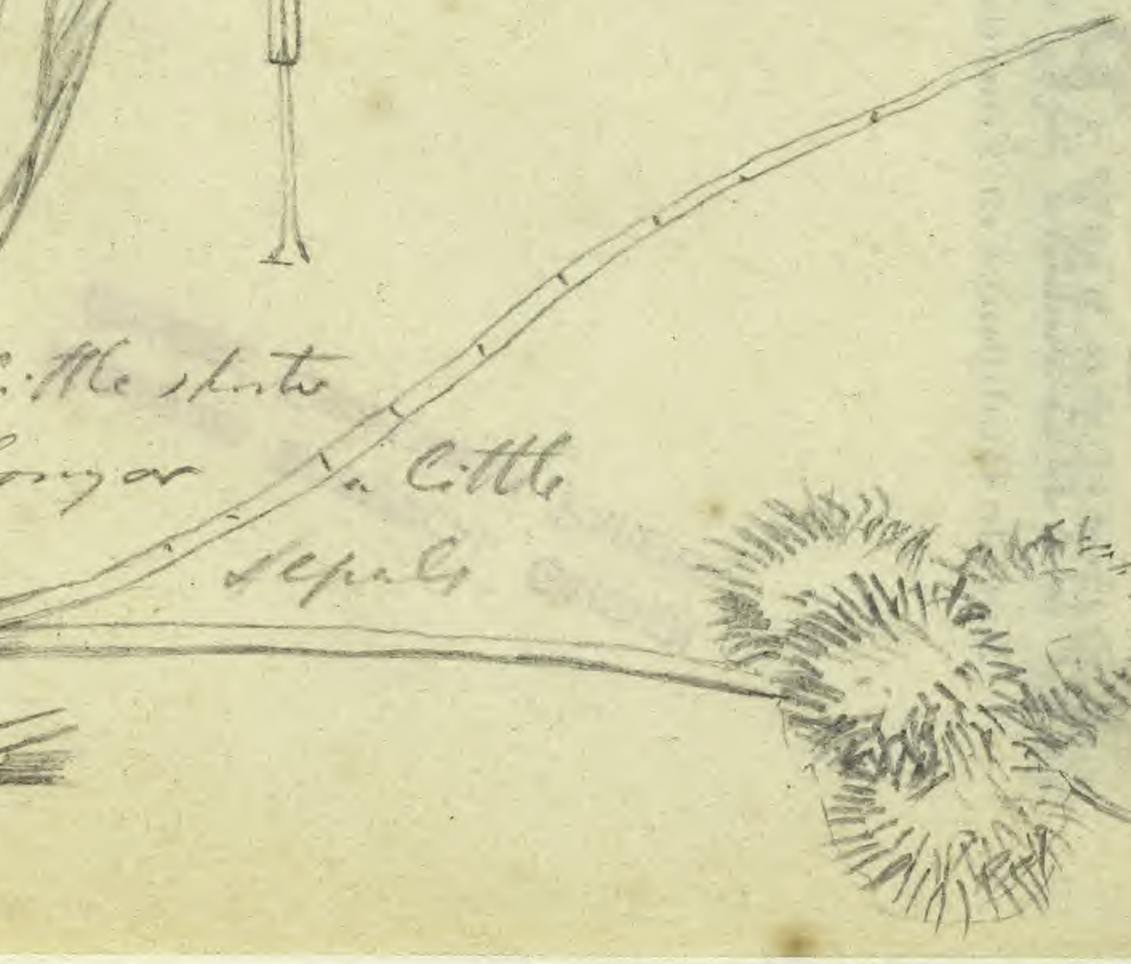
x 60



inner sepals a little shorter

Capsule as long or a little

longer than sepals



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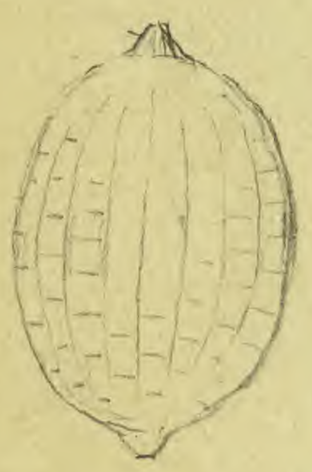
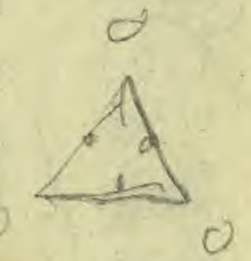
Juncus

Dec 5 1865

Louisiana, Pointe aux Chenes ± H.G. Beyer.

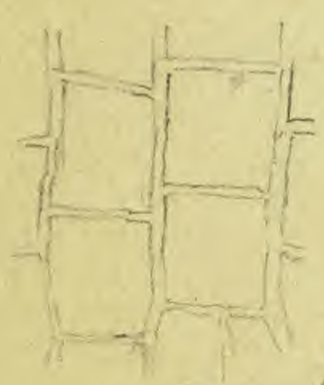


ribs very slight
articulation delicate



folia compressa
vagi angusti auriculati

×150



area of articulation
smooth

inner sepals delicate 1 ribbed
outer ones carinate very stout triangular
lateral ribs very slight or none

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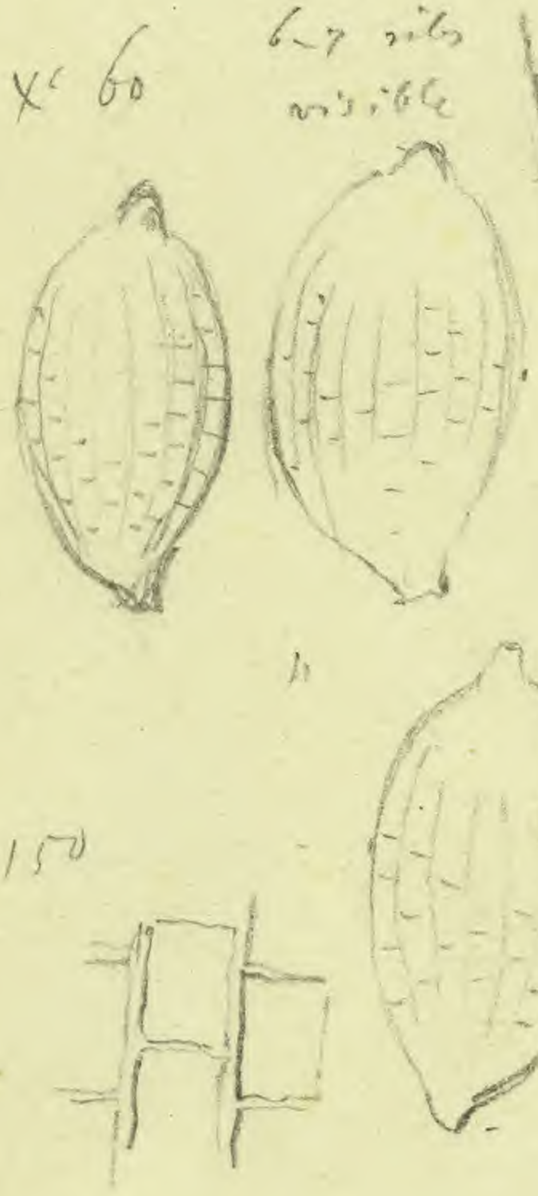
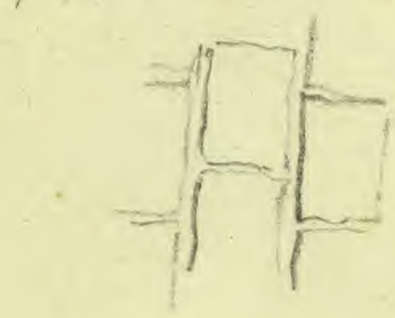
Oct 2 1865
& March 25 1866

Texas Wright 416 Gray

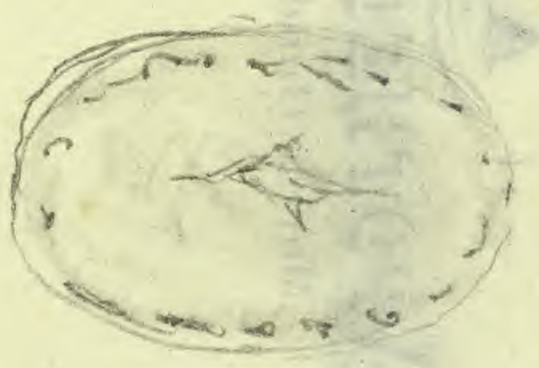
Juncus
polycephalus echinatus



Sect of leaf
Sordid x 10



outer scales 1-5 nibbed
inner 1-3 nibbed
visible - a very
important specimen
being intermediate!



Sect of stem
x 10

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b09b

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ject seems not to have abated, and this is the chief apology offered for bringing forward a review of the very excellent little work published under the above title, by one of the most eminent clinical teachers of Germany,—one who enjoys the well-earned reputation of having written the best text-book on special pathology in the German language.

The author has witnessed an epidemic of cerebro-spinal meningitis in the towns of Freiburg, Carlsruhe and Rastatt, and from the experience thus gathered, as well as from conversations with other good observers on their own cases, and the study of numerous histories of cases and autopsies, he arrives at views differing, in some essential points, from those of many of his compeers, which shall be noticed towards the end of this review. These views are set forth in the first section (on "*pathogenesis and ætiology*") with striking clearness and conciseness, and further supported in the subsequent pages, more especially in the masterly

602-628

9610

presents the same intestinal alterations, the same thick
the blood as in consequence of Asiatic cholera.

The author's conception of epidemic cerebro-spinal meningitis as a disease of the second group, in which he was confirmed by all cases observed by him, is based chiefly on the fact that all its symptoms are referable, without difficulty, to the lesions of the cerebral and spinal meninges as observed after death. He calls attention to the following points:

"A premonitory stage usually is wanting, and where it is observed, the symptoms are confined to complaint of pain in the head and back,—accidents which already point to changes in those parts in which severe lesions are found after death.—Almost without exception, a violent chill opens the scene.—Immediately upon the chill follow symptoms which prove a serious affection of the membranes of the brain and spinal marrow, beyond doubt.—The fever is by no means more intense than the great extent of the intense inflammation would lead

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Additional Remarks on Atmospheric Electricity.

By A. Wislizenus, M.D.

The delay in the publication of this volume enables me to add to my observations of atmospheric electricity in 1861, the result of my observations in 1862. The latter observations have been made in the same manner and by means of the same fine glass thread, which, after many thousand torsions, proves as good as ever. I present herewith in tabular form the general result of my observations in 1861 and 1862.

I. *Monthly mean of Positive Atmospheric Electricity in* 1861 *and* 1862, *at St. Louis, Mo., based upon daily observations at* 6, 9, 12, 3, 6 *and* 9 *o'clock, from morning till night.*

	Jan.	Feb.	Mar.	Ap'l.	May.	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean of Year.
1861*.	16.5	12.1	9.8	8.8	7.8	4.0	3.7	3.4	3.0	7.1	10.0	14.3	8.4
1862...	12.1	16.0	9.4	10.6	7.5	3.0	2.2	2.3	3.0	7.7	12.6	13.9	8.4

* This table of 1861 differs in some decimals from that published on page 66 and in Diagram No. 1. Having discovered some errors, I calculated all my observations once more, and give now the present as the corrected table.

II. *Monthly mean of Temperature and of Relative Humidity in* 1861 *and* 1862, *at St. Louis, Mo., based upon daily observations, contemporaneous with those of Atmospheric Electricity.*

TEMPERATURE.

Mean of

IV. *Direction of Winds and number of Thunderstorms in* '61 & '62.

1861.	E.	N.	N.E.	S.W.	N.W.	S.	W.	S.E.	Prevailing Winds.	Thunder-storms.
January.....	11	3	12	22	38	18	28	61	S.E.	 0
February	4	2	2	35	24	19	41	60	S.E.	 2
March.....	12	11	10	23	30	19	42	40	W. & S.E....	 3
April	16	10	9	26	21	35	34	26	S. & W.....	 2
May	26	10	23	21	8	13	49	35	W. & S.E. ...	 5
June	12	21	22	20	25	26	8	41	S.E.	 7
July	3	31	14	21	26	46	15	29	S.	 3
August	18	24	58	17	11	18	3	37	N.E.	 5
September...	6	14	18	26	30	13	21	52	S.E. & N.W.	 3
October	12	9	5	21	30	33	30	46	S.E. & S.....	 1
November....	7	15	8	22	27	20	36	44	S.E. & W....	 1
December ...	9	19	9	25	23	33	17	51	S.E. & S.....	 0
	136	169	190	279	293	293	324	522	S.E.	 32

1862.	E.	S.W.	N.	N.E.	W.	S.	N.W.	S.E.	Prevailing Winds.	Th. st's.
Jan.....	19	6	19	23	29	3	38	51	S.E.	1
Feb.....	14	9	18	16	22	7	39	43	S.E. & N.W.	0
March ...	9	14	3	15	59	10	34	43	W., S.E. & N.W....	4
April	12	13	18	31	18	11	34	47	S.E., N.W. & N.E.	6
May.....	12	18	14	38						
June										

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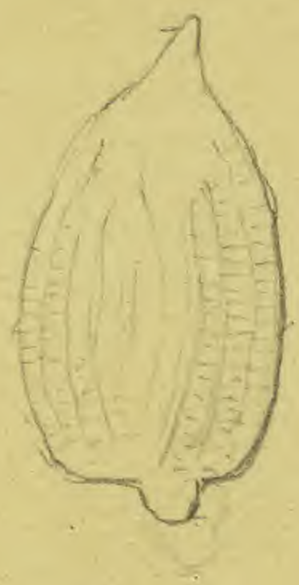
Juncus nodosus

24 Aug 1865

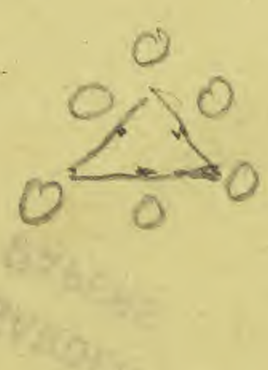
megacephalus

Yellowstone Hayd

x65



x10



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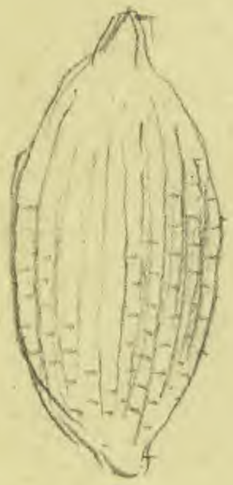
Senecio nodosus Sept 30 1865

megacephalus

x60



x150

transverse ridges indistinct, so that seed often appears ribbed & not reticulated

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Juncus nodosus Octob 1 1865

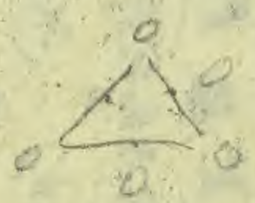
var megacephalus Torr

Shore of Lake Ontario Aug. 1834

~~H.G. Gray~~

x60

x10



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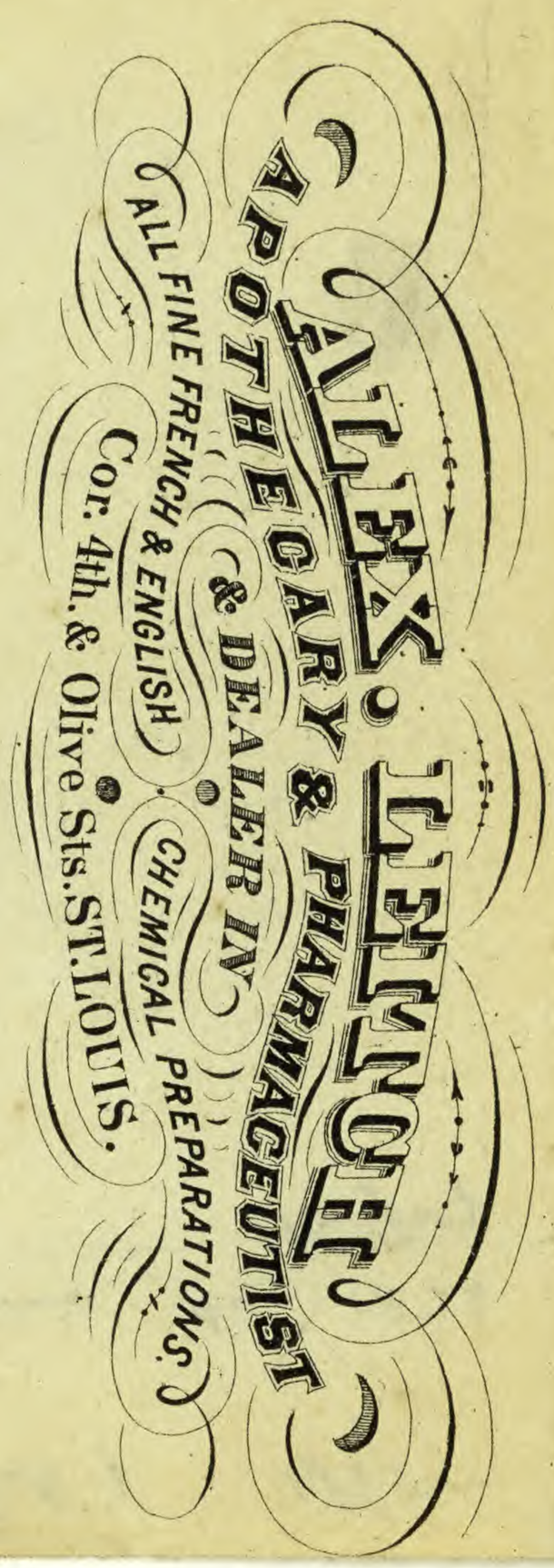

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P. nodosum
var. eugraptolites

Oct 26 2 1867

Hiwassee Valley

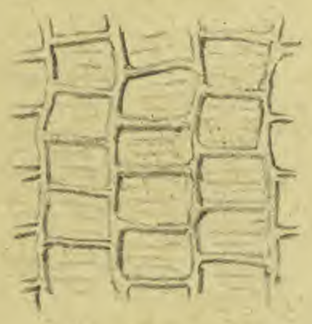
Dr C C Parry

Aug 1867

×10

×65

7 - 8 ribs



Cross striation sometimes indistinct

×150

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cm
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D. nodosus varus

	M. Philad.	Gray	Engelm.
Minnesota	Hale		Hale
Wisconsin	Hale		Hale
Massachusetts	Torrey		
Owid Lake	Torrey		
Ohio, Columbus	Lapham Buchanan		
Pennsylv. Lancaster Co	Porter	Porter	Porter
Cumberland Mts		Dewey	(Dr.)
N W Coast		Douglas	(Douglas)
Canada			Gray
N York Dexter Bridgewater		Vasey	
Lake Ontario		Gray Gray	
Rocky Mts		Drummond	
Saskatchawan		Bourgeau	
Winipeg valley		Bourgeau	

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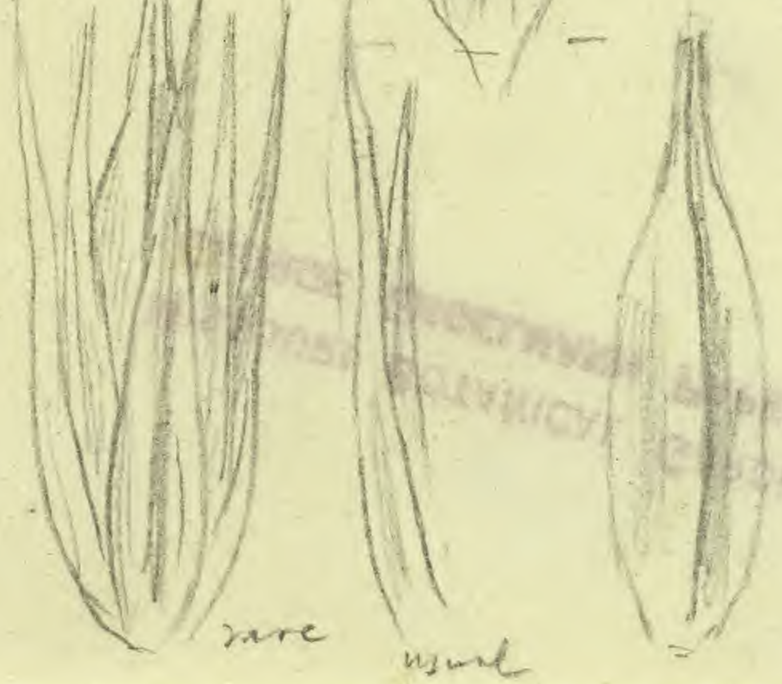
" D. megacephalus Cent. enum." Aug 10 1865
Centr. N. Carol.

×60

×10

Sepals pumpkin
all 3 shaded
or 3 ribbed



Dec 6 Same as above
with same label
inner sepals sometimes
nearly as long as outer,
usually shorter on same
Specimen.

Ex Herb Short

rare

usual

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Senecio nadosus
megacephalus

Sept 30. 1861

Cimarron, Territory
Aug. 28. 1847

capitulis magnis
multiflonis, 5–6
– anthela acute
glomerulam
congestis

Wright. New Mex 1926
si sane

x 10

Capsule opens laterally
first, but soon valves
separate at top

Sepals interior pubes
brevior, exterior
capsulae aequalia

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M. A. Curtis. Enum of Plants of Wilmington N. C.
(1834) in Boston Journ Nat. Hist. vol 1. p. 132
(1837)

Juncus megacephalus n. sp. Curtis.

(J. echinatus Elliott non ~~Mich.~~) Mehlenberg (?)

Stem 3 feet high, leafy, smooth, and like the leaves interrupted by valves. Leaves teretes acute; sheath 3–4 inches long, open. Stipule bifid.
Panicle terminal dichotomously branched.
Heads 10–15 large, globose. 70–90 flowered, one sessile in each fork of the Panicle
Bracts (exterior calyx M.) mucronate, Calyx valves, equal in length linear, the exterior boadest, pungently acute, shorter than the ovoid capsule.

Ricefields June.

(Curtis in later labels gives the following Synonyms):

Juncus polycephalus Mich ?
—— echinatus
—— nodosus
—— megacephalus Curt. enum!

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Juncus megacephalus

	H. & Thiebaud	Gray	Engelm
Central Ohio		Sullivant.	
Texas	Buckley Linn. 546	Wright Linn. 546	Linn. 546
Lake Ontario	Gray	Gray	(Gray)
St Louis			Engelm.
Illinois		Bebb Vasey	Hall
North West			Geyer
Cimarron		Torr. 859	(Torr.)
N. Mexico		Wright 1926 & 696	
California		Coulter 809	(Coult.)
Saskatchewan Winnipeg Valley Yellowstone		Bourgeau Bourg. Hayden	
Philadelphia			D. Burke

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From

A catalogue of plants growing spontaneously around Wilmington, N. Carolina.
by Moses A. Curtis, A.M.

p. 132. Boston Journal of Nat. History. Septbr: 3d, 1834.

37.) Juncus megacéphalus. J. echinatus, E. non M. Stem 3 feet high, leafy, smooth, and like the leaves, interrupted by valves. Leaves Terete, acute; Sheath 3-4 inches long, open; stipule bifid; panicle terminal, dichotomously branched; heads 10-15, large, globose, 70-90 flowered, one sessile in each fork of the panicle; bracts (exterior calyx, M.) mucronate; calyx valves equal in length, linear, the exterior broadest, pungently acute, shorter than the acuminate capsule.

Hab. rice fields. Flowers June.

It is difficult to find characters which will clearly distinguish this plant from J. polycéphalus, except in the large globose heads, which give it an aspect very different from any variety of J. polycephalus I have ever seen. The plant is more robust, and the florets considerably larger.

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16

8

Dimensions.—Length, 0.20 of an inch; width, 0.18.

The *Eleacrinus Kirkwoodensis* is nearly allied to *E.* (*Pentremites*) *melo*, from which it is distinguished by its much smaller size and less deeply excavated base. It also occupies a higher geological position.

Occurs in the St. Louis Limestone (Carboniferous) on the Pacific railroad near Kirkwood, St. Louis county, Missouri.

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as range of mountains, on Capt. [illegible] cumstances prevented me from obtaining more than a few crystals, which are now deposited in the collection of the Smithsonian Institute; a few others are also in the hands of members of the party. We were travelling at the time by forced night marches with nearly worn out animals, seeking to gain a spring of water in a distant range of mountains. This desert was then entirely unexplored. I have but little doubt that more interesting materials are to be found at the same point.

The mountains of the former Territory of Utah promise a rich yield to the mineralogist. We know already of gold and silver ores in the east, west and south part of that district; of copper and lead ores in the south, and I have discovered the latter also in the centre of it; of specular iron ores and native sulphur in the Rocky Mountains and near Little Salt Lake; of rock salt in the mountains south-east of Utah Lake; of native alum near Salt Lake; of various other salts in the deserts; and of silicates, composing the granites, porphyries, diorites, trachytes, and lavas, nearly over the whole area.

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ec96 4632

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0 1 2 3 4 5 6 7 8 9 10 cm
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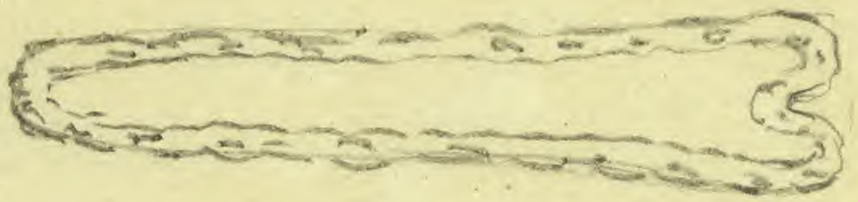
Senecio polyaphalus Oct 28 1865

Texas Lindheimer

x10

Section of disk corf, tooked

upper part, 3 inches for tip



mid Ne part

sheathing part

0 1 2 3 4 5 6 7 8 9 10
cm
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D. polycephalum
var ? gladiatum M.A Curtis

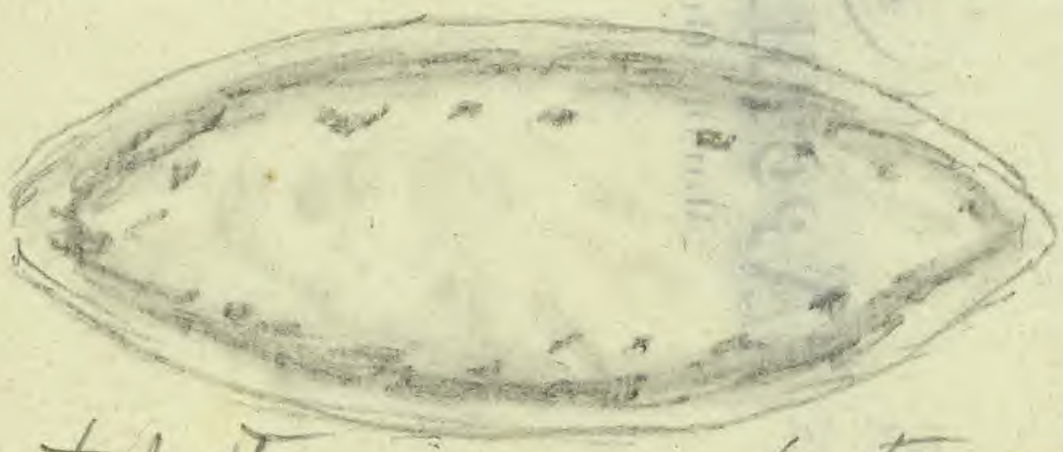
Dec 5 1865

D. gladiatum n. sp

Curtis misit = HG Durand

Capit majoribus.
Sepalis subæqui-nervatis
exterioribus 3angulatis
fere Cymosim multo longioribus
seu subglobosa-ovati

over smooth
reticulation
very slight



sect of stem ×10

Junction

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cm 0 1 2 3 4 5 6 7 8 9 10

Juncus scirpoides Lam Aug 10 1865
echinatus Muhl
Virginia Creek, Illinois.

seems to be nodosus
major

×10

×60

plants stoloniferous

R. L. n. 9. 546
is the same

3 interior sepals
shorter than exterior
ones

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st 9b

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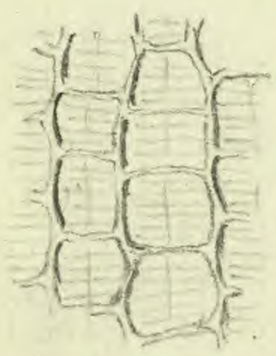
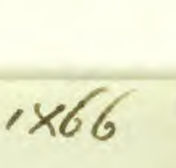
" Juncus nodosus var "
polycephalus
Ringwood Dec. 27 1966 — Mt. Gray & Poynton
Heads 25–35 fl
at least 30 — heads

about 8 x 6s



X150



scapus from axillary
capsules nearly ripe
pale green

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scorpioides, gladiatus Jan 1866

The true polygrapholens major

sem ovatis laevibus late retiolatis

areis laevibus — flor. marginib.

sep. ext. longe acutis. caps. subulat exserta

[illegible] gladiata authers f. basi mutic.

γ. forma angustifolia, foliis

[illegible] Zeyer Drège ?

pistil to be examined.

Seeds 1 nerv'is, extend Bagillis lignosis

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Alex. Lerch

APOTHECARY & PHARMACEUTIST,

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sepala exterior brevior, ovata acuminata
stigmata subsessilia, fere sphaerica
~~tortus~~ staminibus sepalis multo brevior

Var. ad scapoidem spectans, flexuosior
staminibus sepala saepe aequantibus

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